

In the Claims

Applicant presents a full set of claims showing markups of the claims with insertions and deletions indicated by underlining and strikethrough text (or double bracketing), respectively.

1. (Currently amended) An isolated cell that recombinantly expresses SEQ ID NO:45 or fragments thereof that retain [[an]] N-type calcium channel voltage regulated calcium influx activity ~~comprising a Cav2.2 subunit that comprises exon e37a (Cav2.2e[37a]) but does not comprise exon e37b.~~

2.-36. (Canceled)

37. (Previously presented) The isolated cell of claim 1, wherein the cell is a neuron.

38.-40. (Canceled)

41. (Previously presented) The isolated cell of claim 1, wherein the cell is an oocyte.

42.-44. (Canceled)